

**SYSTEM AND METHOD FOR SYNCHRONIZING SAMPLE RATES OF
VOICEBAND CHANNELS AND A DSL INTERFACE CHANNEL**

ABSTRACT OF THE DISCLOSURE

A system is provided for synchronizing a PSTN clock and a DSL clock. The
5 system comprises a PSTN interface for transmitting and receiving voiceband samples, a data
DSL transceiver for modulating and demodulating data to and from DSL samples, a
synchronization circuit for synchronizing the voiceband samples and the data samples, and a
converter for converting the synchronized voiceband and DSL samples between analog and
digital formats. The synchronization circuit synchronizes the voiceband and the data samples
10 for conversion by the same converter.

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